



KEYED NOTES:

- 1 THREAD END OF PIPE AT AIR GAP.
- 2 3/4" THREADED PIPE CAP.
- 3 INJECTING FITTING FURNISHED WITH WATER TREATMENT SYSTEM (TYP).
- 4 MOUNT BOTTOM OF CONTROL PANEL 4'-8" AFF.
- 5 DECHLORINATION LINE (3/8" PLASTIC TUBING) REQUIRED ONLY WHEN RRES-WQH ALLOWS DISCHARGE TO A PERMITTED OUTFALL.
- 6 MOUNT ON HORIZONTAL PIPE NEAR THE 3 OR 9 O'CLOCK POSITION - MINIMUM STRAIGHT PIPE LENGTH 10" UPSTREAM AND DOWNSTREAM OF TRANSDUCER.
- 7 3/4" TYPE L COPPER TUBING.
- 8 CORROSION COUPON RACK COMPLETE WITH BALL VALVES AND STRAINER.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACK-AGE)

OPEN COOLING TOWER WATER TREATMENT FLOW DIAGRAM

SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. THIS DIAGRAM IS GUIDANCE ONLY AND ILLUSTRATES ONE TYPE OF A GARRETT CALLAHAN TREATMENT SYSTEM. CONSULT WITH THE FM FACILITY ENGINEER FOR TYPE OF TREATMENT SYSTEM/CHEMICALS REQUIRED.
2. CONSULT WITH THE FM FACILITY ENGINEER AND RRES-WQH FOR LOCATION OF FLOW METERS AND SAMPLING VALVES (OPERATION, COMPLIANCE, ETC.)
3. SEE SHEET 2 FOR ADDITIONAL NOTES.

1	6-23-05	U	DY	GENERAL REVISIONS. DWG. NO. WAS ST6800.	RP	MN	RF	CD	TO
NO	DATE	CLASS	REV	DESCRIPTION	OWN	DSGN	CHKD	SUB	APP
ADTS - ENGINEERING DIVISION									
LANL ENGINEERING MANUAL					DRAWN R. PEARSON				
					DESIGN R. ROMERO				
OPEN COOLING TOWER WATER TREATMENT FLOW DIAGRAM					CHECKED D. NGUYEN				
BLDG X					DATE 6-28-99				
SUBMITTED					APPROVED FOR RELEASE				
POC DISCIPLINE: CHARLES DUPRE					STANDARDS MANAGER: TOBIN ORUCH				
Los Alamos NATIONAL LABORATORY					SHEET 1 OF 2				
CLASSIFICATION: U					REVIEWER: LARRY BAYS				
PROJECT ID					DATE:				
CHAPTER 6					ST-D30GEN-1				
					REV 1				